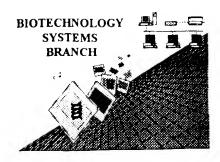
RAW SEQUENCE LISTING ERROR REPORT





The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	09/743,247
Source:	Pur/09
Date Processed by STIC:	8/3/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ERROR DETECTED	suggested correction serial number: £9/743,247
ATTN: NEW RULES CASES	S: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused fire <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to Include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
0Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
IUse of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
2PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
3 Misuse of n	in can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001

PCT09

RAW SEQUENCE LISTING

DATE: 08/03/2001

PATENT APPLICATION: US/09/743,247

TIME: 16:29:03

Tr 1-5

Input Set : A:\ES.txt

Output Set: N:\CRF3\08032001\I743247.raw

3 <110> APPLICANT: Sagami Chemical Research Center; Protegene Inc.

5 <120> TITLE OF INVENTION: Human Proteins Having Hydrophobic Domains And DNAs Encoding

These

Proteins

8 <130> FILE REFERENCE: 661102

-> 10 <140> CURRENT APPLICATION NUMBER: US/09/743,247

10 <141> CURRENT FILING DATE: 1999-07-22

10 <150> PRIOR APPLICATION NUMBER: JP 10-208820

11 <151> PRIOR FILING DATE: 1998-07-24

13 <150> PRIOR APPLICATION NUMBER: JP 10-224105

14 <151> PRIOR FILING DATE: 1998-08-07

16 <150> PRIOR APPLICATION NUMBER: JP 10-238116

17 <151> PRIOR FILING DATE: 1998-08-25

19 <150> PRIOR APPLICATION NUMBER: JP 10-254736

20 <151> PRIOR FILING DATE: 1998-09-09

22 <150> PRIOR APPLICATION NUMBER: JP 10-275505

23 <151> PRIOR FILING DATE: 1998-09-29

25 <160> NUMBER OF SEQ ID NOS: 150

27 <170> SOFTWARE: Windows 95 (Word 98)

ERRORED SEQUENCES

519 <210> SEQ ID NO: 21 520 <211> LENGTH: (510) 509 (62)

521 <212> TYPE: DNA

522 <213> ORGANISM: Homo sapiens

∰<> 523 <220> FEATURE:

524 <221> NAME/KEY: CDS

525 <222> LOCATION: (66)...(443)

527 <400> SEQUENCE: 21

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536 Arg Ala Ala Ala Asp Ala Arg Gly Arg Ala Gly His Arg Ser Ala Ala

40 35

538 get tee aae ete tee gge ete age ete eag gag gea eag eag att ete 254 539 Ala Ser Asn Leu Ser Gly Leu Ser Leu Gln Glu Ala Gln Gln Ile Leu

540 50 55

302 541 aac gtg tee aag etg age eet gag gag gte eag aag aac tat gaa eac

542 Asn Val Ser Lys Leu Ser Pro Glu Glu Val Gln Lys Asn Tyr Glu His 70

544 tta ttt aag gtg aat gat aaa tcc gtg ggt ggc tcc ttc tac ctg cag

350



PATENT APPLICATION: US/09/743,247

DATE: 08/03/2001 TIME: 16:29:03

Input Set : A:\ES.txt

Output Set: N:\CRF3\08032001\I743247.raw

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545 Leu Phe Lys Val Asn Asp Lys Ser Val Gly Gly Ser Phe Tyr Leu Gln
     546 80
                            85
     547 toa aag gtg gtc cgc gca aag gag cgc ctg gat gag gaa ctc aaa atc
                                                                             398
     548 Ser Lys Val Val Arg Ala Lys Glu Arg Leu Asp Glu Glu Leu Lys Ile
                        100
                                           105
E--> 550 cag gcc cag gag gac aga gaa aaa ggg cag atg ccc cat acg tgactgctc
     551 Gln Ala Gln Glu Asp Arg Glu Lys Gly Gln Met Pro His Thr
                   115
                                        120
E--> 553 gctccccccg cccaccccgc cgcctctaat ttatagcttg gtaataaatt tcttttctgc
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     3554 <211> LENGTH: 195
     3555 <212> TYPE: PRT
     3556 <213> ORGANISM: Homo (sapience)
     3558 <400> SEQUENCE: 93
     3559 Met Arg Leu Leu Leu Leu Leu Val Ala Ala Ser Ala Met Val Arg
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                                              10
     3561 Ser Glu Ala Ser Ala Asn Leu Gly Gly Val Pro Ser Lys Arg Leu Lys
     3563 Met Gln Tyr Ala Thr Gly Pro Leu Leu Lys Phe Gln Ile Cys Val Ser
                                     40
                                                                              iten 9
on Ever
Sunnay
Sheet
E--> 356$ Xaa Gly Tyr Arg Arg Val Phe Glu Glu Tyr Met Arg Val Ile Ser Gln
                                  55
     3567 Arg Tyr Pro Asp Ile Arg Ile Glu Gly Glu Asn Tyr Leu Pro Gln Pro
                             70
                                                  75
     3568 65
     3569 Ile Tyr Arg His Ile Ala Ser Phe Leu Ser Val Phe Lys Leu Val Leu
                          85
     3571 Ile Gly Leu Ile Ile Val Gly Lys Asp Pro Phe Ala Phe Phe Gly Met
                   100
                                        105
     3573 Gln Ala Pro Ser Ile Trp Gln Trp Gly Gln Glu Asn Lys Val Tyr Ala
                 115
                                    120
     3575 Cys Met Met Val Phe Phe Leu Ser Asn Met Ile Glu Asn Gln Cys Met
             130
                                 135
     3577 Ser Thr Gly Ala Phe Glu Ile Thr Leu Asn Asp Val Pro Val Trp Ser
     3578 145
                             150
                                                 155
     3579 Lys Leu Glu Ser Gly His Leu Pro Ser Met Gln Gln Leu Val Gln Ile
                                             170
                         165
     3581 Leu Asp Asn Glu Met Lys Leu Asn Val His Met Asp Ser Ile Pro His
                                 185
     3583 His Arg Ser
     3584
                195
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     4526 <211> LENGTH: 1357
                                        Sariens
     4527 <212> TYPE: DNA
     (+> 4529 <220> FEATURE:
    4530 <221> NAME/KEY: CDS
     4531 <222> LOCATION: (81)...(1262)
     4533 <400> SEQUENCE: 116
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4534 cgtqcqtttq tqqccqtccq qcctccctqa catqcaqccc tctqqacccc gaggttggac



DATE: 08/03/2001 PATENT APPLICATION: US/09/743,247 TIME: 16:29:04

Input Set : A:\ES.txt

	4535	cct	actg	tga (caca	ccta	cc a	tg c	gg a	ca c	tc t	tc aa	ac c	ta a	tc t	gg c	tt	110
	4536						M	et A	rg T	hr L	eu Pl	he A:	sn Le	eu Le	eu T	rp Le	eu	
	4537							1				5					10	
	4538	gcc	ctg	gcc	tgc	agc	cct	gtt	cac	act	acc	ctg	tca	aag	tca	gat	gcc	158
	4539	Ala	Leu	Ala	Cys	Ser	Pro	Val	His	Thr	Thr	Leu	Ser	Lys	Ser	Asp	Ala	
	4540				-	15					20			-		25		(O 1
E>	4541	aaa	aaa	qcc	qcc	tca	aaq	acq	ctg	ctg	gag	aag	agt	cag	ttt	tca	gat	(203 206
	4542																	
	4543	-	-		30		•			35		-			40		_	
	4544	aaq	ccq	ata	caa	qac	caa	gat	ttq	ata	ata	acq	gac	ctc	aaa	qct	qaq	254
	4545																	
	4546	1		45		-	_	-	50				•	55	•			
	4547	agt	ata	att	ctt	gag	cat	cac	agc	tac	tac	tca	qca	aaq	acc	caa	gac	302
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	4550	aσa		ttt	act	aaa	σat.	at.a	cta	aac	tat	atc	act	сса	taa	aac	age	350
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	4553		aac	tac	gat	atc		aad	atic	t.t.t.	aaa	-	aaσ	t.t.c	aca	cag		398
	4554				_	-		_	-			-	-			_		
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	4556	tca	CCC	atc	taa		cag	cta	aaα	aga		aac	cat	gag	ato		gag	446
	4557																	
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	4559	atc	aca	aac		cac	gac	ata	gac		aaa	taa	atα	саа		atc	agg	494
	4560																	.,.
	4561		****	125	200		er		130	011.	011			135			5	
	4562	aag	cat		aaq	aac	cta	cac		ata	cct	caa	ata		ttt	gag	gac	542
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	4566				_	_				_		-	_		-			550
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	4568		gag	cta	agc	aad		ata	atc	саσ	ata		ааσ	aac	caq	cat		638
	4569																	
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	4572																	
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	1575																	
	4576			205					210					215				
	1577	acc	caa		cta	acc	ctc	cta		atc	cca	cct	acc		acc	CCC	aaa	782
	4578																	
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	4580	acc		сал	cta	aac	ato		aco	cac	аап	gag		gag	cad	cta	acc	830
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	4583		ata	cta	gat	aat		age	ctc	ato	acc		gac	tac	t.ct	aca		878
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DATE: 08/03/2001 PATENT APPLICATION: US/09/743,247 TIME: 16:29:04

Input Set : A:\ES.txt

	Pro	Val	Leu	Asp	_	Phe	Ser	Leu	Met		Tyr	Asp	Tyr	Ser		Ala	
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	птэ	GIII	PIO	-	110	ASII	Ald	PIO		261	ттр	val	Arg		Cys	Val	
	G 3 G	ata	ata		cca	220	taa	220		cas	3.00	222	ato		ata	aaa	974
																	J / 4
	GTII	val		ASP	PIO	гуѕ	ser		пр	Arg	ser	ьγѕ		Leu	Leu	Gly	
	ata	220		+ = +	aat	ata	a 2 a		aca	200	taa	220		acc	cat	ana	1022
					-												1022
	Leu		PHE	1 7 1	GIY	Met	-	тут	Ата	1111	ser	-	АЗР	ніа	Arg	GIU	
	aat		ata	aaa	aaa	200		ata	aza	202	ata		aza	020	200	aaa	1070
		_	-		-				_		-	_	_				1070
		val	val	GIY	ніа	_	1 7 1	116	GIII	1111		гуз	изр	птэ	мту		
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																	1118
	Arg	мес	Val	тгр	_	ser	GIII	Ald	ser		HIS	Pne	Pne	GIU	_	гуѕ	
	224	2 ~ ~		+				a+ a	~+ ~		+			a+~		+	1166
	_	_						_	-					_	_		1166
	гуѕ	ser	Arg		GLY	Arg	HIS	val		Pile	ıyı	PIO	TIII		Lys	ser	
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	_	_			_		_	_			_		-		_		1214
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		.								.		.					1260
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	пе	_	GIU	Leu	GIY	GIII	_	Leu	ASP	TAL	Pne	_	ASP	Leu	Leu		
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	CLLC	yacı	.cg c														40
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	220	222	a+ a	at a		t 2.0	220	000		aaa	200	<i>α</i>			000	000	96
																	90
	ASII	гуз		Leu	ALY	1 7 1	гуз		PIO	PIO	ser	GIU	_	ASII	PIO	Ald	
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5750																	144
5750 5751		Asp					Asp					Leu					144
5750 5751 5752	Leu	Asp 30	Asp	Pro	Thr	Pro	Asp 35	Tyr	Met	Asn	Leu	Leu 40	Gly	Met	Ile	Phe	
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5750 5751 5752 5753 5754	Leu agc Ser	Asp 30 atg	Asp tgc	Pro ggc	Thr	Pro atg Met	Asp 35 ctt	Tyr aag	Met ctg	Asn aag	Leu tgg Trp	Leu 40 tgt	Gly gct	Met tgg	Ile gtc	Phe gct Ala	
5750 5751 5752 5753	Leu agc Ser 45	Asp 30 atg Met	Asp tgc Cys	Pro ggc Gly	Thr ctc Leu	Pro atg Met 50	Asp 35 ctt Leu	Tyr aag Lys	Met ctg Leu	Asn aag Lys	Leu tgg Trp 55	Leu 40 tgt Cys	Gly gct Ala	Met tgg Trp	Ile gtc Val	Phe gct Ala 60	
	4585 4586 4587 4588 4589 4590 4591 4592 4593 4595 4596 4597 4598 4600 4601 4603 4604 4605 4606 4607 4608 4607 4608 4610 5735 5738 5739 5740 5741 5745 5745 5746 5747	4585 4586 cat 4587 His 4588 cag 4590 Gln 4591 ctc 4593 Leu 4595 cct 4596 Pro 4597 315 4598 cgg 4599 Arg 4600 aag 4601 aag 4602 Lys 4603 ctg 4604 ctg 4606 4607 atc 4608 Ile 4609 agg 4610 agg 4610 agg 5735 <210 5736 <211 5737 <212 5738 <222 5740 <222 5741 <222 5743 <400 5744 cttc 5745 5746 5747 aac 5748 Asn	4585 4586 cat cag 4587 His Gln 4588 4589 cag gtc 4590 Gln Val 4591 4592 ctc aac 4593 Leu Asn 4594 300 4595 cct gtt 4596 Pro Val 4597 315 4598 cgg atg 4599 Arg Met 4600 Lys Ser 4601 aag agc 4602 Lys Ser 4603 Ctg cag 4604 ctg cag 4605 Leu Gln 4606 4607 atc tgg 4608 Ile Trp 4609 380 4610 aggtggg 4611 caggtggg 4610 sg 5735 <210> Sf 5736 <211> Lf 5737 <212> TS 5738 <221> Sf 5740 <221> NA 5741 <222> LG 5743 <400> Sf 5744 cttcgact 5745 5746 5747 aac aaa 5748 Asn Lys	4585 4586 cat cag cct 4587 His Gln Pro 4588 4589 cag gtc ctg 4590 Gln Val Leu 4591	4585 4586 cat cag cct ggc 4587 His Gln Pro Gly 4588 270 4589 cag gtc ctg gac 4590 Gln Val Leu Asp 4591 285 4592 ctc aac ttc tat 4593 Leu Asn Phe Tyr 4594 300 4595 cct gtt gtc ggg 4596 Pro Val Val Gly 4597 315 4598 cgg atg gtg tgg 4599 Arg Met Val Trp 4600 4601 aag agc cgc agt 4602 Lys Ser Arg Ser 4603 350 4604 ctg cag gtg cgg 4605 Leu Gln Val Arg 4606 365 4607 atc tgg gag ctg 4608 Ile Trp Glu Leu 4609 380 4610 aggtgggcat tggg 4611 caggtgtgaa ataca 5735 <210> SEQ ID NO 5736 <211> LENGTH: 62 5737 <222> TYPE: DNA 5738 <221> TYPE: DNA 5738 <221> NAME/KEY: 5741 <222> LOCATION: 5743 <400> SEQUENCE: 5744 cttcgactcg ct at 5745 Me 5747 aac aaa gtg ctg 5748 Asn Lys Val Leu	4585	4585	4585	4585	4585	4585	4585	4585	1585	4585	4586	4586 cat cag cct ggc cct aat gca ccc ctg tcc tgg gtt cga gcc tgc gtc 4587



PATENT APPLICATION: US/09/743,247 TIME: 16:29:04

DATE: 08/03/2001

Input Set : A:\ES.txt

			_	_	_		~ 3	_		- 1			_			<i>a</i> ,	_		
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	5759	_	-		_	-	_	_		-	-				-			288	
	5760	Thr	Lys	Gln	Met	Met	Ser	Ser	Phe	Met	Leu	Ser	Ile	Ser	Ala	Val	Val		
	5761				80					85					90				2.27
E>	5762	atg	tcc	tat	ctg	cag	aat	cct	cag	ccc	atg	acg	ccc	cca	tgg			(340) X
	5763	_			_				-										
	5764			95					100					105	-				
		tgai	tacc		ctaga	аада	at ca	acati		a ac	ecta:	tota	tidaa		aac i	ctaa	gctttg	390	
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	5982	<222	2> Lo	OCAT:	ION:	(56))	(1090))										
	5984						•	•	•										-1
E>							CC CC	caaco	recet	t ct	aaaa	ctcc	gage	cca	aca (ggac	c	(58) 103	$\langle \cdot \rangle$
	5986	_		_					-									103	
	5987	_			-				_										
	5988	1	1 110	1 111	001	5		DCI	Der	OI1	10	- 1 -	LIO			15	201		
	5989		200	att	ata	•	at o	000	agt	aaa		taa	ata	ata	ata		ctc	151	
		_	-															LJI	
	5990	LуS	ser	Leu		Leu	val	PIO	ser		Leu	ser	Leu	Leu		Ата	Leu		
	5991				20					25					30			100	
	5992																	199	
	5993	Leu	Leu		His	Cys	Gln	Lys		Phe	Val	Tyr	Asp		His	Ala	Val		
	5994			35					4 0					45					
	5995	aag	aac	gac	ttc	cag	att	tgg	agg	ttg	ata	tgt	gga	aga	ata	att	tgc	247	
	5996	Lys	Asn	Asp	Phe	Gln	Ile	Trp	Arg	Leu	Ile	Cys	Gly	Arg	Ile	Ile	Cys		
	5997		50					55					60						
	5998	ctt	gat	ttg	aaa	gat	act	ttc	tgc	agt	agt	ctg	ctt	att	tat	aat	ttt	295	
	5999	Leu	Asp	Leu	Lys	Asp	Thr	Phe	Cys	Ser	Ser	Leu	Leu	Ile	Tyr	Asn	Phe		
	6000	65	-		_	_	70		-			75			-		80		
	6001	agg	a t.a	ttt	gaa	aga	aga	tat	gga	agc	aga	aaa	ttt	qca	tcc	ttt	tta	343	
	6002																		
	6003											-1-				9.5			
	6004		aat	tcc	taa	att	tta	tica	acc	tta	ttt	gac	+++	ctc	ctc	att	gaa	391	
	6005																	331	
	6006	Le u	СТУ	Ser	100	Val	Leu	Ser	AIG	105	r mc.	пэр	rne	LCu	110	110	Giu		
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	6007																	433	
	6008	АТа	мес		IAI	Phe	Phe	GTÅ		1111	Ala	АТА	Ser		Leu	PIO	sei		
	6009			115					120					125			4	107	
	6010																	487	
	6011	G1 y		Leu	Ala	Pro	Val		Ala	Leu	Phe	Val		Phe	Tyr	Cys	Ser		
	6012		130					135					140						
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DATE: 08/03/2001 PATENT APPLICATION: US/09/743,247 TIME: 16:29:05

Input Set : A:\ES.txt

6013																	535
6014		Pro	Arg	Val	GIn		Ala	Gin	He	Leu	_	Pro	Leu	Ser	He		
6015						150					155					160	500
6016		_		_				-		_	_						583
6017	Asn	Lys	Thr	Leu		Tyr	He	Leu	Gly		GIn	Leu	Phe	Thr		Gly	
6018					165					170					175		
6019																	631
6020	Ser	Tyr	Ile	_	Ile	Val	Ala	Ile		Gly	Leu	Met	Ser		Leu	Cys	
6021				180					185					190			
6022																	679
6023	Tyr	Asp	Ser	Lys	Met	Phe	Gln	Val	His	Gln	Val	Leu	_	Ile	Pro	Ser	
6024			195					200					205				
6025																	727
6026	qrT	Met	Ala	Lys	Phe	Phe	Ser	Trp	Thr	Leu	Glu	Pro	Ile	Phe	Ser	Ser	
6027		210					215					220					
6028	tca	gaa	CCC	acc	agc	gaa	gcc	aga	att	ggg	atg	gga	gcc	acg	ctg	gac	775
6029	Ser	Glu	Pro	Thr	Ser	Glu	Ala	Arg	Ile	Gly	Met	Gly	Ala	Thr	Leu	Asp	
6030	225					230					235					240	
6031	atc	cag	aga	cag	cag	aga	atg	gag	ctg	ctg	gac	cgg	cag	ctg	atg	ttc	823
6032	Ile	Gln	Arg	Gln	Gln	Arg	Met	Glu	Leu	Leu	Asp	Arg	Gln	Leu	Met	Phe	
6033					245					250					255		
6034	tct	cag	ttt	gca	caa	ggg	agg	cga	cag	aga	cag	cag	cag	gga	gga	atg	871
6035	Ser	Gln	Phe	Ala	Gln	Gly	Arg	Arg	Gln	Arg	Gln	Gln	Gln	Gly	Gly	Met	
6036				260					265					270			
6037	atc	aat	tgg	aat	cgt	ctt	ttt	cct	cct	tta	cgt	cag	cga	caa	aac	gta	919
6038	Ile	Asn	Trp	Asn	Arg	Leu	Phe	Pro	Pro	Leu	Arg	Gln	Arg	Gln	Asn	Val	
6039			275					280					285				
6040	aac	tat	cag	ggc	ggt	cgg	cag	tct	gag	cca	gca	gcg	CCC	cct	cta	gaa	967
6041	Asn	Tyr	Gln	Gly	Gly	Arg	Gln	Ser	Glu	Pro	Ala	Ala	Pro	Pro	Leu	Glu	
6042		290					295					300					
6043	gtt	tct	gag	gaa	cag	gtc	gcc	cgg	ctc	atg	gag	atg	gga	ttt	tcc	aga	1015
6044																	
6045	305					310					315					320	
6046	ggt	gat	gct	ttg	gaa	gcc	ctg	aga	gct	tca	aac	aat	gac	ctc	aat	gtc	1063
6047	Gly	Asp	Ala	Leu	Glu	Ala	Leu	Arg	Ala	Ser	Asn	Asn	Asp	Leu	Asn	Val	
6048					325					330					335		
6049	gcc	acc	aac	ttc	ctg	ctg	cag	cac	tgat	agto	ccc a	agged	caaca	ac to	J g		1110
6050	Ala	Thr	Asn	Phe	Leu	Leu	Gln	His									
6051				340													
6052	gaco	eggae	ccg g	gcago	ecgag	gt ga	cagt	gegt	: ggt	cccc	cacc	atca	igato	cag o	cccg	ggacc	1170
																gccct	1230
6054	caac	ccgca	ag a	actgt	tgcc	eg tt	ttag	jtgtg	gaq	jataa	igtt	tgcc	catta	ica t	tago	catgta	1290
																gtttt	1350
										_				-		ctccag	1410
																gggag	1470
			-	-				_		-				-		igttac	1530
																gagetg	1590
																ctagt	1650
																actig	1710
		_	-				-	22		2 2					_		



PATENT APPLICATION: US/09/743,247

DATE: 08/03/2001

TIME: 16:29:05

Input Set : A:\ES.txt

6062	ggttaatttt	gctcagagta	tccggagtta	gccactaggc	tgcgggtgaa	atgggatgga	1770
6063	gtagaacaac	agcaggcttc	ctggagccac	atgggctgac	tagggcactc	tgtggctggc	1830
6064	ctggcacggg	ctcagcccag	gaagaggaga	aacgatccct	tgcctgcccc	tccctgtggc	1890
6065	agggctaact	gcctggccct	cctggctcgc	agccagccag	ccccctggca	gcaggttctc	1950
6066	ctcagggctt	gggtcttcaa	cctgtggcga	caggaggcag	ggcagactgt	ggaggacagg	2010
6067	atgcaggtca	gggagaggga	aggcaggggt	ggaccgccat	gagcatgaaa	agacccgaag	2070
6068	caagttgact	cttgcaatgt	gcaactgtta	tgttctgcaa	aatgagcaac	gatgtatcaa	2130
6069	attgatgcaa	atttagatgt	tgatacttac	aataaagttt	ttaatgtgtt	tt	2182



VERIFICATION SUMMARY

PATENT APPLICATION: US/09/743,247

DATE: 08/03/2001 TIME: 16:29:06

Input Set : A:\ES.txt

Output Set: N:\CRF3\08032001\I743247.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:523 M:283 W: Missing Blank Line separator, <220> field identifier L:550 M:254 E: No. of Bases conflict, LENGTH:Input:450 Counted:449 SEQ:21 M:254 Repeated in SeqNo=21 L:553 M:252 E: No. of Seq. differs, <211>LENGTH:Input:510 Found:509 SEQ:21 L:559 M:283 W: Missing Blank Line separator, <220> field identifier L:601 M:283 W: Missing Blank Line separator, <220> field identifier L:674 M:283 W: Missing Blank Line separator, <220> field identifier L:740 M:283 W: Missing Blank Line separator, <220> field identifier L:778 M:283 W: Missing Blank Line separator, <220> field identifier L:827 M:283 W: Missing Blank Line separator, <220> field identifier L:888 M:112 C: (48) String data converted to lower case, L:910 M:283 W: Missing Blank Line separator, <220> field identifier L:946 M:283 W: Missing Blank Line separator, <220> field identifier L:986 M:283 W: Missing Blank Line separator, <220> field identifier L:1618 M:283 W: Missing Blank Line separator, <220> field identifier L:1690 M:283 W: Missing Blank Line separator, <220> field identifier L:1749 M:283 W: Missing Blank Line separator, <220> field identifier L:1853 M:283 W: Missing Blank Line separator, <220> field identifier L:1889 M:283 W: Missing Blank Line separator, <220> field identifier L:1942 M:283 W: Missing Blank Line separator, <220> field identifier L:2025 M:283 W: Missing Blank Line separator, <220> field identifier L:2085 M:283 W: Missing Blank Line separator, <220> field identifier L:2121 M:283 W: Missing Blank Line separator, <220> field identifier L:2169 M:283 W: Missing Blank Line separator, <220> field identifier L:2780 M:283 W: Missing Blank Line separator, <220> field identifier L:2858 M:283 W: Missing Blank Line separator, <220> field identifier L:2911 M:283 W: Missing Blank Line separator, <220> field identifier L:2997 M:283 W: Missing Blank Line separator, <220> field identifier L:3057 M:283 W: Missing Blank Line separator, <220> field identifier L:3099 M:283 W: Missing Blank Line separator, <220> field identifier L:3189 M:283 W: Missing Blank Line separator, <220> field identifier L:3227 M:283 W: Missing Blank Line separator, <220> field identifier L:3373 M:283 W: Missing Blank Line separator, <220> field identifier L:3412 M:283 W: Missing Blank Line separator, <220> field identifier L:3565 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:93 L:4104 M:283 W: Missing Blank Line separator, <220> field identifier L:4192 M:283 W: Missing Blank Line separator, <220> field identifier L:4270 M:283 W: Missing Blank Line separator, <220> field identifier L:4285 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:113 L:4285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 L:4332 M:283 W: Missing Blank Line separator, <220> field identifier L:4414 M:283 W: Missing Blank Line separator, <220> field identifier L:4529 M:283 W: Missing Blank Line separator, <220> field identifier L:4541 M:254 E: No. of Bases conflict, LENGTH:Input:203 Counted:206 SEQ:116 L:4617 M:283 W: Missing Blank Line separator, <220> field identifier L:4668 M:283 W: Missing Blank Line separator, <220> field identifier



VERIFICATION SUMMARY

PATENT APPLICATION: US/09/743,247 TIME: 16:29:06

DATE: 08/03/2001

Input Set : A:\ES.txt

			Missing Blank Line separator, <220> field identifier
L:4788	M:283	W:	Missing Blank Line separator, <220> field identifier
L:5453	M:283	W:	Missing Blank Line separator, <220> field identifier
L:5566	M:283	W:	Missing Blank Line separator, <220> field identifier
L:5670	M:283	W:	Missing Blank Line separator, <220> field identifier
L:5739	M:283	W:	Missing Blank Line separator, <220> field identifier
L:5762	M:254	E:	No. of Bases conflict, LENGTH:Input:340 Counted:330 SEQ:144
L:5775	M:283	W:	Missing Blank Line separator, <220> field identifier
L:5833	M:283	W:	Missing Blank Line separator, <220> field identifier
L:5906	M:283	W:	Missing Blank Line separator, <220> field identifier
L:5945	M:283	W:	Missing Blank Line separator, <220> field identifier
L:5980	M:283	W:	Missing Blank Line separator, <220> field identifier
L:5985	M:254	E:	No. of Bases conflict, LENGTH:Input:58 Counted:55 SEQ:149
L:6075	M:283	W:	Missing Blank Line separator, <220> field identifier